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STATEMENT UNDER 37 CFR 3.73(b)

Applicant/Patent Owner: Lucent Technologies Inc.

Application No./Patent No.: 09/809,499 Filed/Issue Date: March 15, 2001

Entitled: METHOD AND APPARATUS FOR AUTOMATICALLY EXTRACTING VERIFICATION MODELS

Lucent Technologies Inc., a corporation of the State of Delaware
(Name of Assignee) (Type of Assignee, e.g., corporation, partnership, university, government agency, etc.)

states that it is:

1. ☒ the assignee of the entire right, title, and interest; or
2. ☐ an assignee of less than the entire right, title and interest.
The extent (by percentage) of its ownership interest is _____ %
in the patent application/patent identified above by virtue of either:

A. ☒ An assignment from the inventor(s) of the patent application/patent identified above. The assignment was recorded in the United States Patent and Trademark Office at Reel 011894, Frame 0385, or for which a copy thereof is attached.

OR

B. ☐ A chain of title from the inventor(s), of the patent application/patent identified above, to the current assignee as shown below:

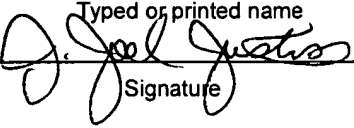
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The document was recorded in the United States Patent and Trademark Office at Reel _____, Frame _____, or for which a copy thereof is attached.
3. From: _____ To: _____
The document was recorded in the United States Patent and Trademark Office at Reel _____, Frame _____, or for which a copy thereof is attached.

☐ Additional documents in the chain of title are listed on a supplemental sheet.

☐ Copies of assignments or other documents in the chain of title are attached.
[NOTE: A separate copy (i.e., a true copy of the original assignment document(s)) must be submitted to Assignment Division in accordance with 37 CFR Part 3, if the assignment is to be recorded in the records of the USPTO. See MPEP 302.08]

The undersigned (whose title is supplied below) is authorized to act on behalf of the assignee.

September 14, 2004
Date
972-480-8800
Telephone number

J. Joel Justiss
Typed or printed name

Signature
Attorney for Applicant
Title

This collection of information is required by 37 CFR 3.73(b). The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 12 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

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AUGUST 27, 2001



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GIBBONS, DEL DEO, DOLAN, ET AL
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NEWARK, NJ 07102



101753953A

**UNITED STATES PATENT AND TRADEMARK OFFICE
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PLEASE REVIEW ALL INFORMATION CONTAINED ON THIS NOTICE. THE INFORMATION CONTAINED ON THIS RECORDATION NOTICE REFLECTS THE DATA PRESENT IN THE PATENT AND TRADEMARK ASSIGNMENT SYSTEM. IF YOU SHOULD FIND ANY ERRORS OR HAVE QUESTIONS CONCERNING THIS NOTICE, YOU MAY CONTACT THE EMPLOYEE WHOSE NAME APPEARS ON THIS NOTICE AT 703-308-9723. PLEASE SEND REQUEST FOR CORRECTION TO: U.S. PATENT AND TRADEMARK OFFICE, ASSIGNMENT DIVISION, BOX ASSIGNMENTS, CG-4, 1213 JEFFERSON DAVIS HWY, SUITE 320, WASHINGTON, D.C. 20231.

RECORDATION DATE: 06/13/2001

REEL/FRAME: 011894/0385
NUMBER OF PAGES: 3

BRIEF: ASSIGNMENT OF ASSIGNOR'S INTEREST (SEE DOCUMENT FOR DETAILS).

ASSIGNOR:

HOLZMANN, GERARD J.

DOC DATE: 05/21/2001

ASSIGNEE:

LUCENT TECHNOLOGIES INC.
600 MOUNTAIN AVENUE
MURRAY HILL, NEW JERSEY 07974-0636

SERIAL NUMBER: 09809499

FILING DATE: 03/15/2001

PATENT NUMBER:

ISSUE DATE:

JACQUELINE MOORE, EXAMINER
ASSIGNMENT DIVISION
OFFICE OF PUBLIC RECORDS

*Docuited
9/16*



06-19-2001

Holzmann 17

6.13.01



101753953

To the Honorable Commissioner of Patents and Trademarks: Please record the attached original documents or copy thereof.

1. Name of the conveying party (ies):

(1) **Gerard J. Holzmann**

(

Additional name(s) of conveying parties attached?

☐ Yes ☒ No

2. Name and address of receiving party(ies):

Name: **Lucent Technologies Inc.**

Internal Address:

Street Address: **600 Mountain Avenue**City: **Murray Hill** State: **NJ** Zip: **07974-0636**

Nature of Conveyance:

☒ Assignment ☐ Merger
☐ Security Agreement ☐ Change of Name
☐ Other _____

Execution Date: (1) 5/21/2001

Additional name(s) attached? ☐ Yes ☒ No

4. Application or Registration Number(s)

If this application is being filed with a new application, the execution date of the new application is: _____

A. Patent Application Numbers

09/809,499

B. Patent Registration Numbers

Additional Numbers attached? ☐ Yes ☒ No

5. Name and Address of party to whom correspondence concerning document should be mailed:

Name:

Intellectual Property Docket AdministratorFirm: **GIBBONS, DEL DEO, DOLAN, GRIFFINGER & VECCHIONE**Address: **One Riverfront Plaza**City: **Newark** State: **N.J.** Zip: **07102**

6. Total Number of applications and registrations involved: 1

7. Total Fee:

☐ Enclosed☒ Authorized to be charged to Deposit Account

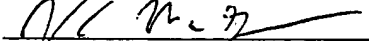
8. Deposit Account Number:

12-2325

(attach duplicate copy of this page if paying by deposit account)

9. Statement and Signature:

To the best of my knowledge and belief, the foregoing information is true and correct and any attached copy is a true copy of the original document.

Name: **Vincent E. McGearry** Signature:  Date: **6-11-01**

06/19/2001 DBYRNE 00000015 122325 09809499

01 FC:581

40.00 CH

ASSIGNMENT AND AGREEMENT

For value received, I, **Gerard J. Holzmann**, of the City of Watchung, in the County of Somerset and the State of New Jersey hereby sell, assign and transfer to **Lucent Technologies Inc.**, a corporation of the State of Delaware, having an office at 600 Mountain Avenue, Murray Hill, New Jersey 07974-0636, U.S.A., and its successors, assigns and legal representatives, the entire right, title and interest, for the United States of America, in and to certain inventions related to **METHOD AND APPARATUS FOR AUTOMATICALLY EXTRACTING VERIFICATION MODELS** described in an application Letters Patents of the United States U.S. Serial No. 09/809,499 filed March 15, 2001, executed by me, and all of the rights and privileges in said application and under any and all Letters Patent that may be granted in the United States for said inventions; and I also concurrently hereby sell, assign and transfer to **Lucent Technologies Inc.** the entire right, title and interest in and to said inventions for all countries foreign to the United States, including all rights of priority arising from the application aforesaid, and all the rights and privileges under any and all forms of protection, including Letters Patent, that may be granted in said countries foreign to the United States for said inventions.

I authorize **Lucent Technologies Inc.** to make application for such protection in its own name and maintain such protection in any and all countries foreign to the United States, and to invoke and claim for any application for patent or other form of protection for said inventions, without further authorization from me, any and all benefits, including the right of priority provided by any and all treaties, conventions, or agreements.

I hereby consent that a copy of this assignment shall be deemed a full legal and formal equivalent of any document which may be required in any country in proof of the right of **Lucent Technologies Inc.** to apply for patent or other form of protection for said inventions and to claim the aforesaid benefit of the right of priority.

I request that any and all patents for said inventions be issued to **Lucent Technologies Inc.** in the United States and to **Lucent Technologies Inc.** in all countries foreign to the United States, or to such nominees as they may designate.

I agree that, when requested, I shall, without charge to **Lucent Technologies Inc.** but at its expense, sign all papers, take all rightful oaths, and do all acts which may be necessary, desirable or convenient in connection with said applications, patents or other forms of protection.

Gerard J. Holzmann
Gerard J. Holzmann

Date: 5/21/01

United States of America)

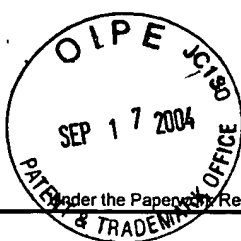
State of New Jersey) ss.:

County of Union)

On this 21 day of May, 2001, before me personally came **Gerard J. Holzmann**, to me known to be the individual described in and who executed the foregoing instrument, and acknowledged execution of the same.

Diane C. Thomas
Notary Public

DIANE C. THOMAS
NOTARY PUBLIC OF NEW JERSEY
My Commission Expires July 11, 2001



Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number.

STATEMENT UNDER 37 CFR 3.73(b)Applicant/Patent Owner: Lucent Technologies Inc.Application No./Patent No.: 09/850,382 Filed/Issue Date: May 7, 2001Entitled: METHOD AND APPARATUS FOR AUTOMATIC VERIFICATION OF PROPERTIES OF A CONCURRENT SOFTWARE SYSTEMLucent Technologies Inc., a corporation of the State of Delaware

(Name of Assignee)

(Type of Assignee, e.g., corporation, partnership, university, government agency, etc.)

states that it is:

1. ☒ the assignee of the entire right, title, and interest; or
2. ☐ an assignee of less than the entire right, title and interest.
The extent (by percentage) of its ownership interest is _____ %
in the patent application/patent identified above by virtue of either:

A. ☒ An assignment from the inventor(s) of the patent application/patent identified above. The assignment was recorded in the United States Patent and Trademark Office at Reel 012046, Frame 0330, or for which a copy thereof is attached.

OR

B. ☐ A chain of title from the inventor(s), of the patent application/patent identified above, to the current assignee as shown below:

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Reel _____, Frame _____, or for which a copy thereof is attached.
2. From: _____ To: _____
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The document was recorded in the United States Patent and Trademark Office at
Reel _____, Frame _____, or for which a copy thereof is attached.

☐ Additional documents in the chain of title are listed on a supplemental sheet.

☐ Copies of assignments or other documents in the chain of title are attached.

[NOTE: A separate copy (i.e., a true copy of the original assignment document(s)) must be submitted to Assignment Division in accordance with 37 CFR Part 3, if the assignment is to be recorded in the records of the USPTO. See MPEP 302.08]

The undersigned (whose title is supplied below) is authorized to act on behalf of the assignee.

September 14, 2004

Date

972-480-8800

Telephone number

J. Joel Justiss

Typed or printed name

Signature

Attorney for Applicant

Title

This collection of information is required by 37 CFR 3.73(b). The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 12 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

If you need assistance in completing the form, call 1-800-PTO-9199 and select option 2.



UNITED STATES DEPARTMENT OF COMMERCE
Patent and Trademark Office
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OCTOBER 10, 2001

PTAS
GIBBONS, DEL DEO DOLAN, GRIFFINGER
VINCENT E. MCGEARY, ESQ.
ONE RIVERFRONT PLAZA
NEWARK, NJ 07102-5497



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UNITED STATES PATENT AND TRADEMARK OFFICE
NOTICE OF RECORDATION OF ASSIGNMENT DOCUMENT

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RECORDATION DATE: 08/06/2001

REEL/FRAME: 012046/0330
NUMBER OF PAGES: 3

BRIEF: ASSIGNMENT OF ASSIGNOR'S INTEREST (SEE DOCUMENT FOR DETAILS).

ASSIGNOR:
HOLZMANN, GERARD J.

DOC DATE: 06/21/2001

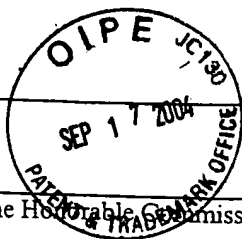
ASSIGNEE:
LUCENT TECHNOLOGIES INC.
600 MOUNTAIN AVENUE
MURRAY HILL, NEW JERSEY 07974-0636

SERIAL NUMBER: 09850382
PATENT NUMBER:

FILING DATE: 05/07/2001
ISSUE DATE:

PAULA MCCRAY, EXAMINER
ASSIGNMENT DIVISION
OFFICE OF PUBLIC RECORDS

10-15-01



08-10-2001

HOLZMANN 18

Sheet



To the Honorable Commissioner of

101806959

Attached original documents or copy thereof.

1. Name of the conveying party (ies):

Gerard J. Holzmnn

8-600

Additional name(s) of conveying parties attached?

___ Yes ☒ No

2. Name and address of receiving party(ies):

Name: **Lucent Technologies Inc.**

Internal Address:

Street Address: **600 Mountain Avenue**City: **Murray Hill** State: **NJ** Zip: **07974-0636**

Nature of Conveyance:

☒ Assignments ☐ Merger☐ Security Agreement ☐ Change of Name☐ OtherExecution Date: **June 21, 2001**Additional name(s) attached? ___ Yes ☒ No

4. Application or Registration Number(s)

If this application is being filed with a new application, the execution date of the new application is

A. Patent Application Numbers

09/850,382

B. Patent Registration Numbers

Additional Numbers attached? ___ Yes ☒ No

5. Name and Address of party to whom correspondence concerning document should be mailed:

Name: **Intellectual Property
Docket Administrator**Firm: **Gibbons, Del Deo Dolan, Griffinger
& Vecchione**Address: **One Riverfront Plaza**City: **Newark** State: **N.J.** Zip: **07102-5497**6. Total Number of applications and registrations involved: **1**

7. Total Fee:

☐ Enclosed☒ Authorized to be charged to Deposit Account

8. Deposit Account Number:

12-2325

(attach duplicate copy of this page if paying by deposit account)

9. Statement and Signature:

To the best of my knowledge and belief, the foregoing information is true and correct and any attached copy is a true copy of the original document

Name: **Vincent E. McGeary, Esq.** Signature:

Reg. No. 42,862

Date: **August 1, 2001**

08/10/2001 LMUELLER 00000026 122325 09850382

01 FC:581

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053572-37938

ASSIGNMENT AND AGREEMENT

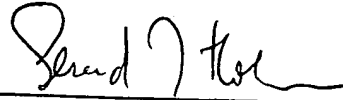
For value received, I, **Gerard J. Holzmann**, of the City of Watchung, in the County of Somerset and the State of New Jersey hereby sell, assign and transfer to **Lucent Technologies Inc.**, a corporation of the State of Delaware, having an office at 600 Mountain Avenue, Murray Hill, New Jersey 07974-0636, U.S.A., and its successors, assigns and legal representatives, the entire right, title and interest, for the United States of America, in and to certain inventions related to **METHOD AND APPARATUS FOR AUTOMATIC VERIFICATION OF PROPERTIES OF A CONCURRENT SOFTWARE SYSTEM** described in an application Letters Patents of the United States U.S. Serial No. 09/850,382 filed May 7, 2001, executed by me, and all of the rights and privileges in said application and under any and all Letters Patent that may be granted in the United States for said inventions; and I also concurrently hereby sell, assign and transfer to **Lucent Technologies Inc.** the entire right, title and interest in and to said inventions for all countries foreign to the United States, including all rights of priority arising from the application aforesaid, and all the rights and privileges under any and all forms of protection, including Letters Patent, that may be granted in said countries foreign to the United States for said inventions.

I authorize **Lucent Technologies Inc.** to make application for such protection in its own name and maintain such protection in any and all countries foreign to the United States, and to invoke and claim for any application for patent or other form of protection for said inventions, without further authorization from me, any and all benefits, including the right of priority provided by any and all treaties, conventions, or agreements.

I hereby consent that a copy of this assignment shall be deemed a full legal and formal equivalent of any document which may be required in any country in proof of the right of **Lucent Technologies Inc.** to apply for patent or other form of protection for said inventions and to claim the aforesaid benefit of the right of priority.

I request that any and all patents for said inventions be issued to **Lucent Technologies Inc.** in the United States and to **Lucent Technologies Inc.** in all countries foreign to the United States, or to such nominees as they may designate.

I agree that, when requested, I shall, without charge to **Lucent Technologies Inc.** but at its expense, sign all papers, take all rightful oaths, and do all acts which may be necessary, desirable or convenient in connection with said applications, patents or other forms of protection.



Gerard J. Holzmann

Date: 6/21/01

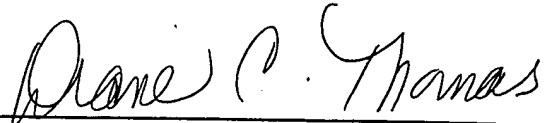
United States of America)

State of New Jersey)

ss.:

County of Union)

On this 21 day of June, 2001, before me personally came **Gerard J. Holzmann**, to me known to be the individual described in and who executed the foregoing instrument, and acknowledged execution of the same.



Notary Public


DIANE C. THOMAS
NOTARY PUBLIC OF NEW JERSEY
My Commission Expires July 11, 2001



HOLZMANN 18

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PATENTS ONLY**

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1. Name of the conveying party (ies): Gerard J. Holzmann Additional name(s) of conveying parties attached? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No		2. Name and address of receiving party(ies): Name: Lucent Technologies Inc. Internal Address: Street Address: 600 Mountain Avenue City: Murray Hill State: NJ Zip: 07974-0636 Additional name(s) attached? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	
Nature of Conveyance: <input checked="" type="checkbox"/> Assignments <input type="checkbox"/> Merger <input type="checkbox"/> Security Agreement <input type="checkbox"/> Change of Name <input type="checkbox"/> Other _____			
Execution Date: June 21, 2001			
4. Application or Registration Number(s) If this application is being filed with a new application, the execution date of the new application is A. Patent Application Numbers 09/850,382 B. Patent Registration Numbers Additional Numbers attached? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No			
5. Name and Address of party to whom correspondence concerning document should be mailed: Name: Intellectual Property Docket Administrator Firm: Gibbons, Del Deo Dolan, Griffinger & Vecchione Address: One Riverfront Plaza City: Newark State: N.J. Zip: 07102-5497		6. Total Number of applications and registrations involved: 1 7. Total Fee: <input type="checkbox"/> Enclosed <input checked="" type="checkbox"/> Authorized to be charged to Deposit Account 8. Deposit Account Number: 12-2325 (attach duplicate copy of this page if paying by deposit account)	
9. Statement and Signature: To the best of my knowledge and belief, the foregoing information is true and correct and any attached copy is a true copy of the original document Name: Vincent E. McGeary, Esq. Signature:  Date: August 1, 2001 Reg. No. 42,862			

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